

Please type a plus sign (+) inside this box

Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 2

## Complete if Known

Application Number  
Filing Date February 28, 2002  
First Named Inventor James B. Crews  
Group Art Unit 1712  
Examiner Name D Metamayer  
Attorney Docket Number 304-27440-US

## U.S. PATENT DOCUMENTS

| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | U.S. Patent Document |                                      | Name of Patentee or Applicant<br>of Cited Document | Date of Publication of<br>Cited Document<br>MM-DD-YYYY | Pages, Columns, Lines,<br>Where Relevant<br>Passages or Relevant<br>Figures Appear |              |
|-----------------------|--------------------------|----------------------|--------------------------------------|--|--|--|--------------|
|                       |                          | Number               | Kind Code <sup>2</sup><br>(if known) |  |  | CLASS  | SUB<br>CLASS |
| DAM                   |                          | 4,486,339            |                                      | Young  | 12-04-1984   | 252  | 180          |
| DAM                   |                          | 4,968,442            |                                      | Falk   | 11-06-1990   | 507  | 241          |
| DAM                   |                          | 5,010,954            |                                      | Falk   | 04-30-1991   | 166  | 295          |
| DAM                   |                          | 5,223,159            |                                      | Smith, et al.                                      | 06-29-1993   | 507  | 241          |
| DAM                   |                          | 5,224,546            |                                      | Smith, et al.                                      | 07-06-1993   | 507  | 241          |
| DAM                   |                          | 5,310,489            |                                      | Sharif   | 05-10-1994   | 507  | 903          |
| DAM                   |                          | 5,624,886            |                                      | Dawson, et al.                                     | 04-29-1997   | 507  | 921          |
| DAM                   |                          | 5,950,731            |                                      | Schuchart, et al.                                  | 09-14-1999   | 507  | 921          |
| DAM                   |                          | 5,981,447            |                                      | Chang, et al.                                      | 11-09-1999   | 507  | 271          |
| DAM                   |                          | 6,265,355            | B1                                   | Lal, et al.  | 07-24-2001   | 507  | 237          |

## FOREIGN PATENT DOCUMENTS

| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Foreign Patent Document |                     |                                      | Name of Patentee or<br>Applicant of Cited Document | Date of Publication of<br>Cited Document<br>MM-DD-YYYY | Pages, Columns, Lines,<br>Where Relevant<br>Passages or Relevant<br>Figures Appear | T <sup>6</sup> |
|-----------------------|--------------------------|-------------------------|---------------------|--------------------------------------|--|--|--|----------------|
|                       |                          | Office <sup>3</sup>     | Number <sup>4</sup> | Kind Code <sup>5</sup><br>(if known) |  |  |  |                |

Examiner  
Signature

*Daniel A. Metamayer*

Date  
Considered

12/10/02

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box

PTO/SB/08B (08-00)  
Approved for use through 10/31/2002. OMB 0651-0031  
U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2

of 2

### Complete If Known

|                        |                   |
|------------------------|-------------------|
| Application Number     |                   |
| Filing Date            | February 28, 2002 |
| First Named Inventor   | James B. Crews    |
| Group Art Unit         | 1712              |
| Examiner Name          | D. Metzmaier      |
| Attorney Docket Number | 304-27440-US      |

### OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

| Examiner Initials | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|-------------------|-----------------------|---|----------------|
| psm               |                       | J. S. Rhudy, "Removal of Mineral Scale From Reservoir Core by Scale Dissolver," SPE International Symposium on Oilfield Chemistry, New Orleans, LA, March 2-5, 1993, pp. 97-106.  |                |
| psm               |                       | Wayne W. Frenier, "Novel Scale Removers Are Developed for Dissolving Alkaline Earth Deposits," 2001SPE International Symposium on Oilfield Chemistry, Houston, TX, February 13-16, 2001.  |                |
| psm               |                       | Akzo Nobel Dissolvine(R) Chelates Web pages downloaded 08/10/2001, <a href="http://www.dissolvine.com/start.htm">http://www.dissolvine.com/start.htm</a> ,  |                |
| psm               |                       | Dow Chemical Company Versene(R) Chelating Agents Web pages downloaded 08/10/2001, <a href="http://www.dow.com/versene/index.htm">http://www.dow.com/versene/index.htm</a> ,   |                |
|                   |                       |   |                |
|                   |                       |   |                |
|                   |                       |   |                |
|                   |                       |   |                |
|                   |                       |   |                |
|                   |                       |   |                |
|                   |                       |   |                |
|                   |                       |   |                |
|                   |                       |   |                |

Examiner  
Signature

*Harold S. Metzmaier*

Date

Considered

12-10-02

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.